

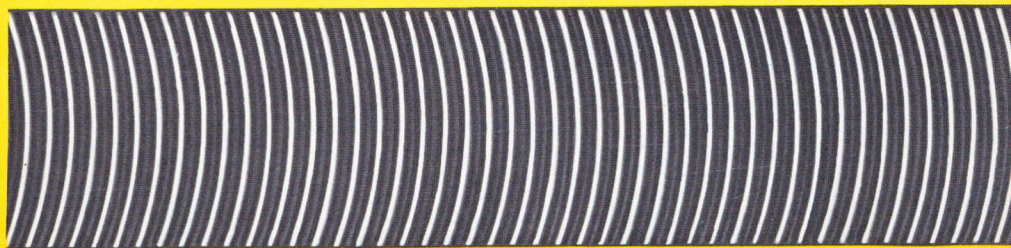
Heller

AUTOMOTIVE FILES and TOOLS

The ORIGINAL and still the BEST...

VIXEN[®]

MILLED CURVED-TOOTH FILES



VIXEN PLAIN BLADE FILES

Originated by Heller Tool Co., the Vixen still stands as the greatest single improvement ever made in metal finishing files. The Milled Curved Teeth of Vixen work like miniature milling cutters and almost as fast. The forward slant or undercut of

Vixen teeth give the file a definite cutting action. Vixen's keen teeth bite deep and curl off long filings with every stroke. Vixen cuts faster, freer, smoother. It's the original and still the best.

FLEXIBLE FILES



Flexible files are generally used with an adjustable file holder. Flexible files are particularly adapted to all types of auto body and sheet metal work. They have teeth on both sides,

and can be adjusted in a file holder to file flat, outward (convex), or inward (concave). Use with Flat Holder No. 416 Adjustable Aluminum Holder No. 472, or Wooden Holder No. V-1.

Part No.	Size	Teeth
81-11000	8" x $2\frac{3}{32}$ " x $\frac{5}{32}$ "	14
81-11150	10" x 1" x $\frac{5}{32}$ "	12
81-11250	12" x $1\frac{5}{32}$ " x $\frac{3}{16}$ "	10
81-11390	14" x $1\frac{1}{32}$ " x $\frac{3}{16}$ "	6†

Part No.	Size	Teeth
81-11400	14" x $1\frac{1}{32}$ " x $\frac{3}{16}$ "	7 (Babbitt)
81-11450	14" x $1\frac{1}{32}$ " x $\frac{3}{16}$ "	8
81-11500	14" x $1\frac{1}{32}$ " x $\frac{3}{16}$ "	9

†Especially suited for plastic type body filler.

HALF ROUND SHELL



Part No.	Size	Teeth
81-12200	14" x $1\frac{1}{32}$ " x $\frac{1}{8}$ "	8*

*Use with Wooden Holder No. V-2

Part No.	Size	Teeth
81-12255	14" x $1\frac{1}{32}$ " x $\frac{1}{8}$ "	6†

†Especially suited for plastic type body filler.

HALF OVAL SHELL

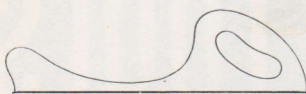


Part No.	Size	Teeth
81-16700	14" x $1\frac{1}{32}$ " x $\frac{3}{64}$ "	8

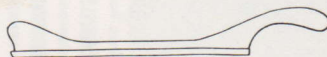
Use with Wooden Holder No. V-2

SPECIAL SEALED PACKAGE

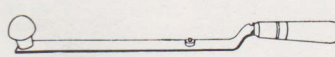
All 14-inch Flexible files are sealed in individual envelopes at the factory for buyers' protection against imitation, inferior and resharpened files.



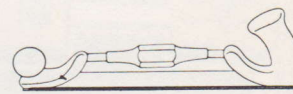
Part No. 81-99300 Holder V-1



Part No. 81-99305 Holder V-2



Part No. 81-99350 Holder 416



Part No. 81-99370 Holder 472

VIXEN RIGID TANG FILES

FLAT WITH TANG

Part No.	Size	Cut
81-12550	8" x $1\frac{3}{16}$ " x $1\frac{1}{64}$ "	ST
81-12700	10" x 1" x $\frac{7}{32}$ "	ST
81-12850	12" x $1\frac{5}{32}$ " x $1\frac{1}{64}$ "	ST
81-13000	14" x $1\frac{1}{32}$ " x $\frac{3}{16}$ "	ST

FLAT UTILITY WITH TANG

Part No.	Size	Cut
81-13450	8" x $1\frac{3}{16}$ " x $1\frac{1}{64}$ "	*
81-13500	10" x 1" x $\frac{7}{32}$ "	*
81-13550	12" x $1\frac{5}{32}$ " x $1\frac{1}{64}$ "	*
81-13600	14" x $1\frac{1}{32}$ " x $\frac{3}{16}$ "	*

*One side ST, one side S

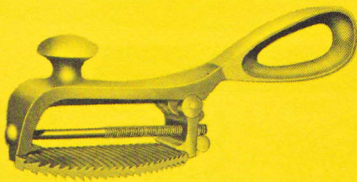
ST-Standard

S-Smooth

HALF ROUND WITH TANG

Part No.	Size	Cut
81-14650	8" x $2\frac{3}{32}$ " x $\frac{1}{4}$ "	ST
81-14750	10" x $1\frac{5}{16}$ " x $\frac{3}{16}$ "	ST
81-14850	12" x $1\frac{1}{6}$ " x $\frac{3}{8}$ "	ST
81-14950	14" x $1\frac{1}{32}$ " x $2\frac{7}{64}$ "	ST

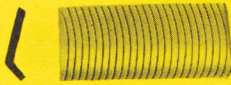
VIXEN REVEAL TOOLS & FILES



Part No. 81-00152
Catalog No. 152
 Reveal Tool (Holder only). Made of brass with hinged center piece. A threaded bolt with wing nut anchors the file in working position. 7" long.



Part No. 81-00153
Catalog No. 153
 Reveal Half Round Shell Vixen. 2 3/4" long.



Part No. 81-00154
Catalog No. 154
 Reveal Flat Square Cornered Vixen, one edge bent. 2 3/4" long.



Part No. 81-00155
Catalog No. 155
 Reveal Round Cornered Vixen. 2 3/4" long.



Part No. 81-00156
Catalog No. 156
 Reveal Half Round Bent Shell Vixen. 2 3/4" long.



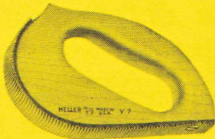
Part No. 81-00157
Catalog No. 157
 Reveal Half Round Molding Vixen. 2 3/4" long.

Part No. 81-00158
Set No. 158

Includes Holder and No. 155 Vixen file.

Part No. 81-00159
Set No. 159

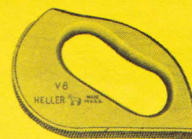
Includes Holder and five assorted Vixen files.



Part No. 81-99325
Catalog No. V-7
 Wooden holder only



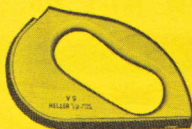
Part No. 81-00332
Catalog No. 332
 Special Window Reveal Flat file 7" x 5/8"



Part No. 81-99330
Catalog No. V-8
 Wooden holder only



Part No. 81-01389
Catalog No. 1389
 Special Window Reveal Molding file 7" x 5/8"



Part No. 81-99335
Catalog No. V-9
 Wooden holder only



Part No. 81-01386
Catalog No. 1386
 Special Window Reveal Shell file 7" x 5/8"



Part No. 81-99340
Catalog No. V-10
 Wooden holder only



Part No. 81-00996
Catalog No. 996
 Special Curved Reveal Shell file 12"

IGNITION FILES



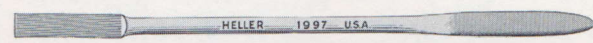
Part No. 70-10250
5" PATENTED TUNGSTEN POINT FILES (POCKET CLIP)
 Clip handle fits over pocket flap for easy carrying. A necessary tool for every auto mechanic. Used for cleaning spark plugs and dressing contact points. Packed in boxes containing a dozen files. Also mounted on cards (one dozen files to a card).
Part No. 70-10350



Part No. 70-02470
Catalog No. 2470
5" VOLTAGE REGULATOR FILES
 For voltage regulators, circuit breakers, relay and other electrical contact points requiring an extra-thin file with fine cut and smooth finish. 5" over-all — 5/16" wide, approximately .015" thick. Packed on counter display cards only, one dozen files on card, twelve cards to a carton.



Part No. 70-10100
5" REGULAR TUNGSTEN POINT FILES
 For cleaning distributor points and spark plugs. Also used in cleaning contact points of magnetos, switches, electric bells, etc. Made with chisel tip for entering gaps and slots. Packed in boxes containing one dozen files. Also mounted on cards (one dozen files to a card).
Part No. 70-10200



Part No. 70-01997
Catalog No. 1997
6" VOLTAGE REGULATOR RIFFLERS
 Recommended for removing pits and corrosion from contact points and also for filing them to a smooth finish. Length 6" over-all. Packaged in cardboard tubes to prevent breakage. One dozen tubes to a box.

MILL BASTARD



Part No.	Size	Part No.	Size
70-14050	4" x 7/16" x 5/64"	70-14750	10" x 31/32" x 11/64"
70-14300	6" x 19/32" x 7/64"	70-14950	12" x 1-5/32" x 7/32"
70-14550	8" x 25/32" x 9/64"	70-15150	14" x 1-5/16" x 1/4"

2 ROUND EDGES — Made in Bastard Cut Only.
8" — Part No. 70-16050 10" — Part No. 70-16100

HALF ROUND BASTARD



Part No.	Size	Part No.	Size
71-31700	6" x 19/32" x 5/32"	71-32300	12" x 1-1/8" x 11/32"
71-31900	8" x 3/4" x 7/32"	71-32500	14" x 1-9/32" x 13/32"
71-32100	10" x 15/16" x 9/32"		

FLAT BASTARD



Part No.	Size	Part No.	Size
71-22700	4" x 15/32" x 3/32"	71-23400	10" x 31/32" x 1/4"
71-22950	6" x 5/8" x 5/32"	71-23600	12" x 1-5/32" x 9/32"
71-23200	8" x 25/32" x 7/32"	71-23800	14" x 1-11/32" x 5/16"

ROUND BASTARD



Part No.	Size	Part No.	Size
70-39300	4" x 5/32"	70-40050	10" x 3/8"
70-39600	6" x 7/32"	70-40250	12" x 1/2"
70-39850	8" x 5/16"	70-40450	14" x 5/8"

SQUARE BASTARD



Part No.	Size	Part No.	Size
71-42500	4" x 5/32"	71-43200	10" x 3/8"
71-42800	6" x 7/32"	71-43400	12" x 1/2"
71-43000	8" x 5/16"	71-43600	14" x 5/8"

THREE SQUARE BASTARD



Part No.	Size	Part No.	Size
71-51650	6" x 15/32"	71-51950	10" x 3/4"
71-51800	8" x 5/8"		

KNIFE BASTARD



Part No.	Size	Part No.	Size
71-50000	6" x 21/32" x 5/32"	71-50150	8" x 27/32" x 3/16"

ROTARY MOWER AND GARDEN TOOL



Part No.	Size
70-04116	7" x 3/4" x 1/8"

MULTI-KUT, FLAT



Part No.	Size	Part No.	Size
70-24300	8" x 25/32" x 7/32"	70-24400	12" x 1-5/32" x 9/32"
70-24350	10" x 31/32" x 1/4"	70-24450	14" x 1-11/32" x 5/16"

MULTI-KUT, HALF ROUND



Part No.	Size	Part No.	Size
70-32800	8" x 3/4" x 7/32"	70-32900	12" x 1-1/8" x 11/32"
70-32850	10" x 15/16" x 9/32"	70-32950	14" x 1-9/32" x 13/32"

MULTI-KUT, SQUARE



Part No.	Size	Part No.	Size
70-43950	8" x 5/16"	70-44050	12" x 1/2"
70-44000	10" x 3/8"	70-44100	14" x 5/8"

CHAIN SAW, ROUND



Part No.	Size	Part No.	Size
70-73030	8" x 3/16"	70-73120	8" x 9/32"
70-73060	8" x 7/32"	70-73150	8" x 5/16"
70-73090	8" x 1/4"	70-73180	8" x 3/8"

CHAIN SAW, NARROW MILL No. 3084



Part No.	Size
70-03084	8" x 5/8" x 3/32"

BEVELED EDGE CHAIN SAW FILE No. 4680



Part No.	Size
70-04680	7" x 1/2" x 3/16"

SLIM TAPER



Part No.	Size	Part No.	Size
70-53700	6" x 11/32"	70-53800	8" x 15/32"

EXTRA SLIM TAPER



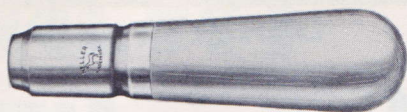
Part No.	Size	Part No.	Size
70-54950	6" x 9/32"	70-55050	8" x 13/32"
70-55000	7" x 5/16"		

DOUBLE EXTRA SLIM TAPER



Part No.	Size	Part No.	Size
70-56200	6" x 7/32"	70-56300	8" x 5/16"
70-56250	7" x 1/4"		

file handles



Part No.	Cat. No.	Size
70-99200	No. 104	4" for files 3" to 6"
70-99205	No. 106	4-1/2" for files 4" to 8"
70-99210	No. 108	5" for files 6" to 10"
70-99215	No. 110	5-1/2" for files 8" to 12"
70-99220	No. 112	6" for files 12" to 18"

Standard carton contains 1/4 gross of a size.

file cards

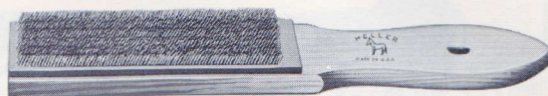
COMBINATION FILE CARD & BRUSH

Part No. 70-99350



FILE CARD

Part No. 70-99300



HELLER NUCUT HACK SAW BLADES

Heller
nucut. High Speed "M"-HAX
12"-24T Hard Edge

STANDARD STEEL BLADES . . . for general all-purpose cutting by machinists, mechanics, electricians, plumbers and maintenance men.

HIGH SPEED "M"-HAX BLADES . . . for fast, dependable cutting and long life on a variety of steels.

HIGH SPEED "T"-HAX BLADES . . . with the heat resistant property necessary for cutting tough alloy steels.

CHOOSE THE RIGHT EDGE

Each of the three types of Heller Hand Blades is available in "Hard-Edge" or "All-Hard".

"HARD-EDGE" Blades are best for general purpose cutting. They are heat treated only on the tooth edge. The body of the blade remains tough and flexible to resist breakage under severe conditions.

"ALL-HARD" Blades are heat treated for uniform hardness throughout. This gives them the stiffness preferred by skilled mechanics for straight, true cuts. They are recommended only where work is securely held.

Heller *Start-A-Kut* Blades*

Special "starter" teeth up front in the White End that start any hacksawing job faster and easier.



This is new! This is patented. Start-A-Kut blades let you start a cut in angle iron, conduit or tubing far faster, far easier than ever before in the history of hack saws. Starts are honestly easy. With positively less effort, the starter teeth lead the conventional teeth right into the work. No false starts. No bucking. No bounding. And Start-A-Kut definitely makes possible accurate hand-held cutting on more types of jobs.

In short, Start-A-Kut takes the "hack" out of hack-sawing. Saves seconds on every cut, minutes on every job, hours and hours in the course of a production year.

Available now in both 10" and 12" in High Speed "M" Hax, and "T" Hax, and also Standard Steel blades, at no increase in price.

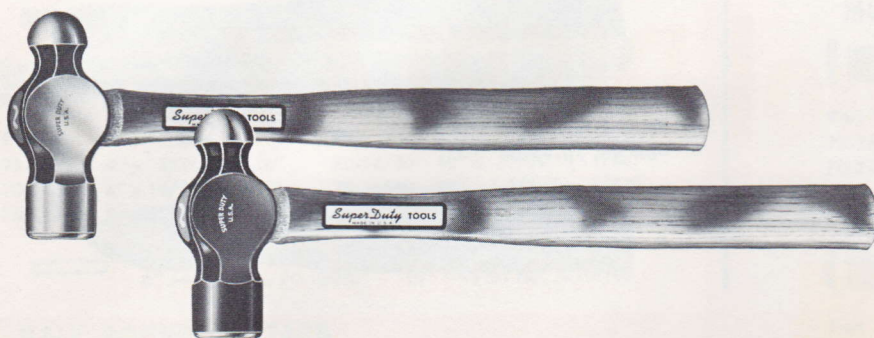
* U.S. Patent No. 2,682,098

SPECIFICATIONS			STANDARD STEEL		HIGH SPEED "M"-HAX		HIGH SPEED "T"-HAX	
ORDER BY PART NUMBER			Start-A-Kut	Regular	Start-A-Kut	Regular	Start-A-Kut	Regular
Length and Width	Thick-ness	No. Teeth per Inch	HARD EDGE Part No.	ALL HARD Part No.	HARD EDGE Part No.	ALL HARD Part No.	HARD EDGE Part No.	ALL HARD Part No.
10" x 1/2"	.025	18	30-01018	30-11018	31-01018	31-11018	32-01018	32-11018
		24	30-01024	30-11024	31-01024	31-11024	32-01024	32-11024
		32	30-01032	30-11032	31-01032	31-11032	32-01032	32-11032
12" x 1/2"	.025	14	30-01214	30-11214	31-01214	31-11214	32-01214	32-11214
		18	30-01218	30-11218	31-01218	31-11218	32-01218	32-11218
		24	30-01224	30-11224	31-01224	31-11224	32-01224	32-11224
		32	30-01232	30-11232	31-01232	31-11232	32-01232	32-11232
PACKED 100 BLADES IN A BOX		10" BLADES → Weight per 100: 3 3/4 lbs. 12" BLADES → Weight per 100: 4 lbs.			Weight per 100: 3 1/2 lbs. Weight per 100: 4 1/2 lbs.		Weight per 100: 4 1/4 lbs. Weight per 100: 4 3/4 lbs.	

This list comprises all types, sizes, and tooth spacings that will be regularly carried in stock. Anything differing from these Hack Saws will be considered as special and will not be manufactured except in cases of urgent necessity.

HELLER *Super Duty* HAMMERS

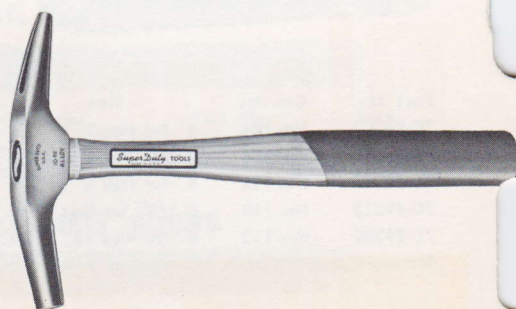
BALL PEIN



Drop forged from highest quality tool steel, tempered and correctly balanced, these hammers are available either in full polish finish or black baked enamel finish, as illustrated. The letter "B" following the number indicates "black" finish. Also available in Excelsior Grade, indicated by letter "C", with black baked enamel forge finish.

Part No.	Cat. No.	Part No.	Cat. No.	Part No.	Cat. No.
86-30000	797	—	—	—	—
86-30250	798	86-30350	798B	—	—
86-30650	800	86-30800	800B	86-30950	800C
86-31200	801	86-31350	801B	86-31450	801C
86-31650	802	86-31800	802B	86-31950	802C
86-32150	803	86-32300	803B	86-32350	803C
86-32500	804	86-32750	804B	86-32950	804C
86-33200	806	86-33400	806B	86-33600	806C
86-33800	808	86-33950	808B	—	—
86-34350	810	86-34500	810B	—	—

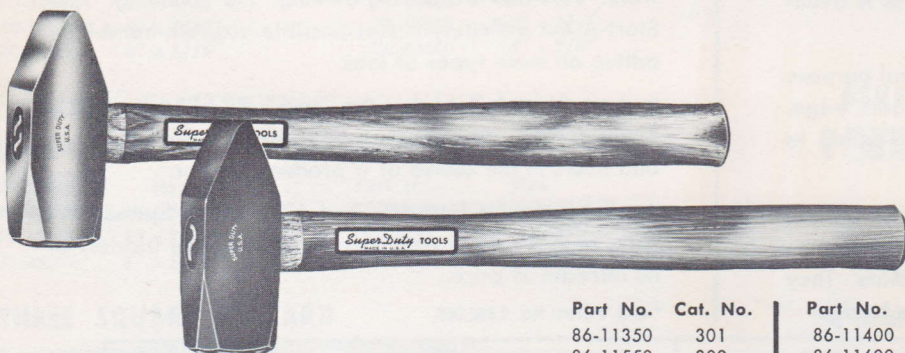
UPHOLSTERERS



Part No. 86-12550 Catalog No. 404B
7 oz. Magnetic Trimmer's or Upholsterer's Hammer, Full Polished. Alloy steel; one end of head magnetized; Head 5½" long; overall length 11"; packed ½ doz.; Wt. 5 lbs. 10 oz.

Weight	Packed	
2 oz.	½ doz.	1¼ lbs.
4 oz.	½ doz.	2½ lbs.
8 oz.	½ doz.	5 lbs.
12 oz.	½ doz.	6½ lbs.
1 lb.	½ doz.	8½ lbs.
1¼ lbs.	½ doz.	10¼ lbs.
1½ lbs.	½ doz.	12 lbs.
2 lbs.	½ doz.	15½ lbs.
2½ lbs.	½ doz.	19 lbs.
3 lbs.	½ doz.	22 lbs.

HAND OR TIRE



These high grade hammers are drop forged from highest quality tool steel, are correctly tempered and perfectly balanced. Available in the two grades illustrated; full polish, and black baked enamel. The "B" following the number indicates "Black" finish.

Part No.	Cat. No.	Part No.	Cat. No.	Weight	Packed	
86-11350	301	86-11400	301B	2 lbs.	½ doz.	10¾ lbs.
86-11550	302	86-11600	302B	2½ lbs.	½ doz.	13 lbs.
86-11750	303	86-11800	303B	3 lbs.	½ doz.	14¾ lbs.

BODY BUMPING FILES



Part No. 85-02088
Catalog No. 2088

FLAT COARSE CUT

Length 12"; width 1¾"; Wt. 1 lb. 4 oz. each; packed ½ doz.; Wt. 6 lbs. 12 oz.

Part No. 85-02089
Catalog No. 2089

FLAT MEDIUM CUT

Length 12"; width 1¾"; Wt. 1 lb. 4 oz. each; packed ½ doz.; Wt. 6 lbs. 12 oz.

Part No. 85-02090
Catalog No. 2090

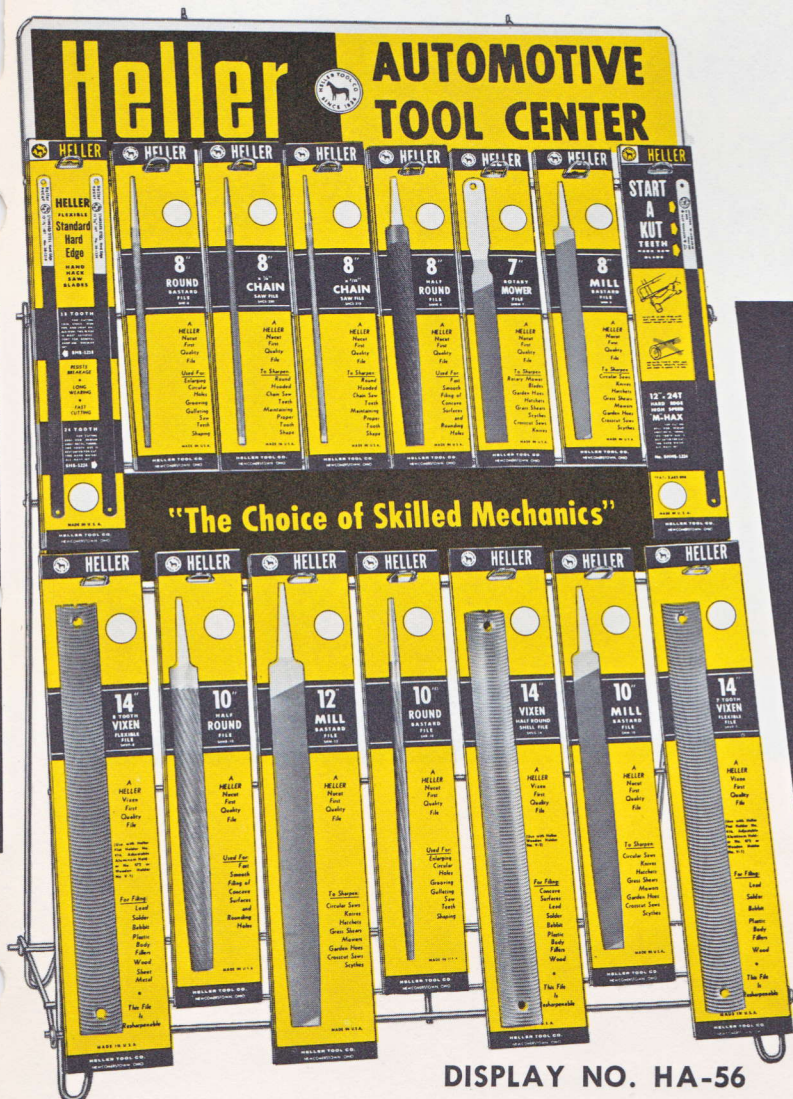
HALF ROUND MEDIUM CUT

Length 12"; width 1¾"; Wt. 1 lb. 4 oz. each; packed ½ doz.; Wt. 6 lbs. 12 oz.

Part No. 85-02612 Assortment No. 2612—One each of the above, packed 1 set per box. Weight 3 lbs 12 ozs.

NEW! "SEE IT-BUY IT!" File and Tool DISPLAY...

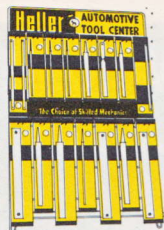
skin-packed files and
blades on wire rack
pegboard/counter display



DISPLAY NO. HA-56



COUNTER



PEGBOARD

ORDER BY NUMBER FROM YOUR WHOLESALER NOW!

ACTUAL SIZE

24" wide x 38" high

SHIPPING WEIGHT

29 pounds

VIXEN®

MILLED CURVED-TOOTH FILES

NUCUT®

AMERICAN PATTERN FILES

NUCUT®

HAND HACK SAW BLADES

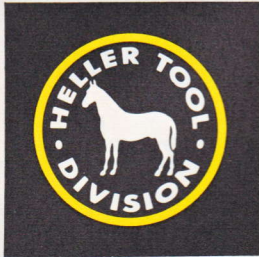
("Start-A-Kut" and Standard Types)

★ Popular, fast moving items on colorful, eye-catching display cards increase sales.

★ Eliminates "breaking boxes" for single unit sales.

★ Skin-packaging allows handling of products without rusting.

Replacement Skin-Packed Files and
Hack Saws Available for this Display
(See Price Folder)



HELLER TOOL DIVISION • NEWCOMERSTOWN, OHIO

WALLACE-MURRAY CORPORATION

Branch Offices and Warehouses:

Union, N. J. • Detroit • Chicago • Shreveport • Los Angeles • San Francisco • Portland, Oregon

Downriver Warehouse Distributor
1336 Pennsylvania Avenue

Hardware **Hb** SUPPLEMENT

Wyandotte, Michigan 48192

Phone: Area Code 313-285-3066 - 386-0700

Put this NEW HELLER HACK SAW MERCHANDISER to work for you!

Downriver Warehouse Distributor
1336 Pennsylvania Ave.
Wyandotte, Michigan 48192
Phone: Area Code 313-285-3066 - 386-0700



**For Easier Sales,
Faster Turnover and
Repeat Profits!**

No. HHSM-80 MERCHANDISER PROFIT-MAKING DEAL

Dealer Blade Cost	\$16.96
Selling Price . . .	28.42
Display	FREE
DEALER'S PROFIT	\$11.46
(WITH FREE GOODS)	(40%)

Designed to take hack saw blades off the shelf and put them out where they can be seen and bought, this new counter/wall display is a real sales and profit maker.

Its compact size (approximately 11" x 15") takes up little counter or wall space yet holds an ample supply of the most wanted blades, both standard and high speed steel.

Best of all, this attractive merchandising display offers you a 40% profit on an outlay of only \$16.96 which covers a total of 84 blades — the metal display itself is free. See details below.

No. HHSM-80 MERCHANDISER

(ALL BLADES ARE FLEXIBLE HARD EDGE)

No. Blades on Display	Blade Cat. No.	Blade Type	List Price Each	Total List Price	Dealer Cost
10 Each	10" 30-01018	Standard Steel	.167	\$1.67	\$1.09
10 "	10" 30-01024	" "	.167	1.67	1.09
10 "	10" 30-01032	" "	.167	1.67	1.09
10 "	12" 30-01218	" "	.206	2.06	1.37
10 "	12" 30-01224	" "	.206	2.06	1.37
10 "	12" 30-01232	" "	.206	2.06	1.37
5 "	10" 31-21018	High Speed Steel	.653	3.27	2.18
5 "	10" 31-21024	" "	.653	3.27	2.18
5 "	12" 31-21218	" "	.782	3.91	2.61
5 "	12" 31-21224	" "	.782	3.91	2.61
2 "	10" 31-21032	" "	.653	1.31	Free With Merchandiser
2 "	12" 31-21232	" "	.782	1.56	
TOTAL				\$28.42	\$16.96

ORDER BY NUMBER



WALLACE-MURRAY CORPORATION

HELLER TOOL DIVISION, NEWCOMERSTOWN, OHIO

WALLACE-MURRAY CORPORATION

3.5M 6-68 PRINTED IN U.S.A.

HELLER AUTOMOTIVE FILES, HACK SAWS, TOOLS JOBBER/DISTRIBUTOR NET PRICES

Code	Cat. Page	Description	Pkg.	Per Doz.	Each
VIXEN BLADE TYPE FILES					
81-11000	2	8" Flexible (Blades) Standard.....	12	\$26.88	\$ 2.24
81-11150	2	10" Flexible (Blades) Standard.....	6	33.72	2.81
81-11250	2	12" Flexible (Blades) Standard.....	6	40.32	3.36
81-11450	2	14" Flexible (Blades) Standard 8 Teeth.....	6	42.60	3.55
81-11390	2	14" Flexible (Blades) 6 Teeth.....	6	42.60	3.55
81-11400	2	14" Flexible (Blades) 7 Teeth.....	6	42.60	3.55
81-11500	2	14" Flexible (Blades) 9 Teeth.....	6	42.60	3.55
81-12200	2	14" Half Round Shell (Blades) Standard 8 Teeth.....	6	49.20	4.10
81-12255	2	14" Half Round Shell (Blades) 6 Teeth.....	6	49.20	4.10
81-16700	2	14" Half Oval Shell (Blades) Standard 8 Teeth.....	6	49.20	4.10

VIXEN FILE HOLDERS					
81-99370	2	472 Adjustable Flexible File Holder.....	1	\$56.64	\$ 4.72
81-99350	2	416 12 or 14" Flexible File Holder.....	1	21.84	1.82
81-99300	2	V-1 12 or 14" Flexible File Holder.....	12	25.44	2.12
81-99305	2	V-2 14" Shell File Holder.....	12	23.52	1.96

VIXEN RIGID TANGED FILES					
81-12550	2	8" Flat (with Tang) Standard.....	12	\$25.56	\$ 2.13
81-12700	2	10" Flat (with Tang) Standard.....	6	31.32	2.61
81-12850	2	12" Flat (with Tang) Standard.....	6	37.68	3.14
81-13000	2	14" Flat (with Tang) Standard.....	6	44.16	3.68
81-13450	2	8" Flat Utility (with Tang) Combination.....	12	29.40	2.45
81-13500	2	10" Flat Utility (with Tang) Combination.....	6	35.16	2.93
81-13550	2	12" Flat Utility (with Tang) Combination.....	6	41.28	3.44
81-13600	2	14" Flat Utility (with Tang) Combination.....	6	48.00	4.00
81-14650	2	8" Half Round (with Tang) Standard.....	12	30.12	2.56
81-14750	2	10" Half Round (with Tang) Standard.....	6	35.40	2.95
81-14850	2	12" Half Round (with Tang) Standard.....	6	42.12	3.51
81-14950	2	14" Half Round (with Tang) Standard.....	6	49.20	4.10
	2	8" Resharpening (All Shapes) All Cuts.....		5.04	.42
	2	10" Resharpening (All Shapes) All Cuts.....		5.64	.47
	2	12" Resharpening (All Shapes) All Cuts.....		6.48	.54
	2	14" Resharpening (All Shapes) All Cuts.....		6.84	.57

VIXEN REVEAL TOOLS - FILES - HOLDERS					
81-00152	3	152 Reveal Tool.....	1	\$22.64	\$ 2.72
81-00153	3	153 Reveal — Shell Vixen.....	6	20.88	1.74
81-00154	3	154 Reveal — Square Corner Vixen.....	6	20.88	1.74
81-00155	3	155 Reveal — Round Corner Vixen.....	6	20.88	1.74
81-00156	3	156 Reveal — Shell Bent Vixen.....	6	20.88	1.74
81-00157	3	157 Reveal — Molding Vixen.....	6	20.88	1.74
81-00158	3	158 Reveal Set (Tool and No. 155 File).....	1	—	4.46
81-00159	3	159 Reveal Set (Tool and 5 Assorted Files).....	1	—	11.42
81-00332	3	332 7" x 5/8" Reveal File — Flat.....	12	39.00	3.25
81-99325	3	V-7 Holder for No. 332 File.....	12	15.72	1.31
81-01386	3	1386 7" x 5/8" Reveal File — Shell.....	12	39.00	3.25
81-99335	3	V-9 Holder for No. 1386 File.....	12	15.72	1.31
81-01389	3	1389 7" x 5/8" Reveal File Molding.....	12	39.00	3.25
81-99330	3	V-8 Holder for No. 1389 File.....	12	15.72	1.31
81-00996	3	996 12" Reveal File — Curved Shell.....	6	49.20	4.10
81-99340	3	V-10 Holder for No. 996 File.....	12	25.44	2.12

IGNITION FILES - TUNGSTEN POINT FILES					
73-10250	3	5" Pocket Clip.....	12	\$ 4.08	\$.34
73-10350	3	5" Pocket Clip, Carded 1 doz. per card.....	144	4.32	.36
73-10100	3	5" Regular.....	12	2.64	.22
73-10200	3	5" Regular, Carded 1 doz. per card.....	144	3.00	.25

Code	Cat. Page	Description	Pkg.	Per Doz.	Each
VOLTAGE REGULATOR FILES					
70-02470	3	5" No. 2470 Voltage Regulator Files Carded.....	144	\$16.20	\$ 1.35
70-01997	3	6" No. 1997 Voltage Regulator Riffers — in Tubes.....	12	24.24	2.02

AMERICAN PATTERN FILES - NUCUT BRAND HIGHEST QUALITY

70-14050	4	4" Mill Bastard Nucut.....	12	\$ 5.64	\$.47
70-14300	4	6" Mill Bastard Nucut.....	12	5.64	.47
70-14550	4	8" Mill Bastard Nucut.....	12	6.72	.56
70-14750	4	10" Mill Bastard Nucut.....	12	8.88	.74
70-14950	4	12" Mill Bastard Nucut.....	6	14.04	1.17
70-15150	4	14" Mill Bastard Nucut.....	6	19.68	1.64
70-16050	4	8" Mill Bastard 2 Round Edges Nucut.....	12	10.80	.90
70-16100	4	10" Mill Bastard 2 Round Edges Nucut.....	12	13.56	1.13
71-31700	4	6" Half Round Bastard Nucut.....	12	12.00	1.00
71-31900	4	8" Half Round Bastard Nucut.....	12	14.52	1.21
71-32100	4	10" Half Round Bastard Nucut.....	6	18.00	1.50
71-32300	4	12" Half Round Bastard Nucut.....	6	22.80	1.90
71-32500	4	14" Half Round Bastard Nucut.....	6	30.24	2.52
71-22700	4	4" Flat Bastard Nucut.....	12	8.04	.67
71-22950	4	6" Flat Bastard Nucut.....	12	8.76	.73
71-23200	4	8" Flat Bastard Nucut.....	12	10.80	.90
71-23400	4	10" Flat Bastard Nucut.....	6	13.90	1.15
71-23600	4	12" Flat Bastard Nucut.....	6	18.72	1.56
71-23800	4	14" Flat Bastard Nucut.....	6	25.92	2.16
70-39300	4	4" Round Bastard Nucut.....	12	7.08	.59
70-39600	4	6" Round Bastard Nucut.....	12	7.08	.59
70-39850	4	8" Round Bastard Nucut.....	12	8.52	.71
70-40050	4	10" Round Bastard Nucut.....	12	10.92	.91
70-40250	4	12" Round Bastard Nucut.....	6	14.40	1.20
70-40450	4	14" Round Bastard Nucut.....	6	20.88	1.74
71-42500	4	4" Square Bastard Nucut.....	12	8.64	.72
71-42800	4	6" Square Bastard Nucut.....	12	9.24	.77
71-43000	4	8" Square Bastard Nucut.....	12	10.92	.91
71-43200	4	10" Square Bastard Nucut.....	12	14.52	1.21
71-43400	4	12" Square Bastard Nucut.....	6	20.16	1.68
71-43600	4	14" Square Bastard Nucut.....	6	27.36	2.28
71-51650	4	8" Three Square Bastard Nucut.....	12	12.00	1.00
71-51800	4	8" Three Square Bastard Nucut.....	12	14.40	1.20
71-51950	4	10" Three Square Bastard Nucut.....	12	18.00	1.50
71-50000	4	6" Knife Bastard Nucut.....	12	11.76	.98
71-50150	4	8" Knife Bastard Nucut.....	12	16.56	1.38
70-04116	4	7" Rotary Mower and Garden Tool Nucut.....	12	9.36	.78
70-24300	4	8" Multikut Flat Nucut.....	12	11.40	.95
70-24350	4	10" Multikut Flat Nucut.....	6	15.12	1.26
70-24400	4	12" Multikut Flat Nucut.....	6	20.76	1.73
70-24450	4	14" Multikut Flat Nucut.....	6	27.96	2.33
70-32800	4	8" Multikut Half Round Nucut.....	12	16.20	1.35
70-32850	4	10" Multikut Half Round Nucut.....	6	19.56	1.63
70-32900	4	12" Multikut Half Round Nucut.....	6	25.32	2.11
70-32950	4	14" Multikut Half Round Nucut.....	6	32.88	2.74
70-43950	4	8" Multikut Square Nucut.....	12	16.68	1.39
70-44000	4	10" Multikut Square Nucut.....	12	18.96	1.58
70-44050	4	12" Multikut Square Nucut.....	6	25.80	2.15
70-44100	4	14" Multikut Square Nucut.....	6	33.84	2.82
70-83030	4	8" Chain Saw Round 3/16" diam. Nucut.....	12	7.80	.65
70-73060	4	8" Chain Saw Round 3/32" diam. Nucut.....	12	7.80	.65

Less than standard package quantities will be invoiced at \$1.00 Each and shown on invoice as separate item.

Issued March 16, 1970

Cancels February 10, 1969

Change

Prices subject to change without notice

HELLER AUTOMOTIVE FILES, HACK SAWS, TOOLS JOBBER/DISTRIBUTOR NET PRICES

Code	Cat. Page	Description	Pkg.	Per Doz.	Each
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American Pattern Files (Cont.)

70-73090	4	8" Chain Saw Round 1/4" diam. Nucut	12	\$ 7.80	\$.65
70-73120	4	8" Chain Saw Round 3/32" diam. Nucut	12	8.16	.68
70-73150	4	8" Chain Saw Round 3/16" diam. Nucut	12	8.52	.71
70-73180	4	8" Chain Saw Round 3/8" diam. Nucut	12	8.88	.74
70-03084	4	8" Chain Saw Narrow Mill No. 3084 Nucut	12	10.68	.89
70-04680	4	7" Chain Saw Beveled Edge No. 4680 Nucut	12	18.12	1.51
70-53650	4	5" Slim Taper Nucut	12	4.56	.38
70-53700	4	6" Slim Taper Nucut	12	5.52	.46
70-53800	4	8" Slim Taper Nucut	12	8.04	.67
70-53850	4	10" Slim Taper Nucut	12	10.92	.91
70-54850	4	5" Extra Slim Taper Nucut	12	4.56	.38
70-54950	4	6" Extra Slim Taper Nucut	12	5.52	.46
70-55000	4	7" Extra Slim Taper Nucut	12	6.60	.55
70-55050	4	8" Extra Slim Taper Nucut	12	8.04	.67
70-56100	4	5" Double Extra Slim Taper Nucut	12	4.92	.41
70-56200	4	6" Double Extra Slim Taper Nucut	12	5.52	.46
70-56250	4	7" Double Extra Slim Taper Nucut	12	6.60	.55
70-56300	4	8" Double Extra Slim Taper Nucut	12	8.04	.67

*AMERICAN PATTERN FILES JOHNSON BRAND

76-14050	4"	Mill Bastard Johnson	12	\$ 5.04	\$.42
76-14300	6"	Mill Bastard Johnson	12	5.04	.42
76-14550	8"	Mill Bastard Johnson	12	6.03	.51
76-14750	10"	Mill Bastard Johnson	12	7.99	.67
76-14950	12"	Mill Bastard Johnson	6	12.62	1.06
76-15150	14"	Mill Bastard Johnson	6	17.66	1.48
76-16050	8"	Mill Bastard 2 Rd. Edges Johnson	12	9.68	.81
76-16100	10"	Mill Bastard 2 Rd. Edges Johnson	12	12.20	1.02
76-31700	6"	Half Round Bastard Johnson	12	10.79	.90
76-31900	8"	Half Round Bastard Johnson	12	13.04	1.09
76-32100	10"	Half Round Bastard Johnson	6	16.13	1.35
76-32300	12"	Half Round Bastard Johnson	6	20.47	1.71
76-32500	14"	Half Round Bastard Johnson	6	27.21	2.27
76-22700	4"	Flat Bastard Johnson	12	7.14	.60
76-22950	6"	Flat Bastard Johnson	12	7.84	.66
76-23200	8"	Flat Bastard Johnson	12	9.68	.81
76-23400	10"	Flat Bastard Johnson	6	12.34	1.03
76-23600	12"	Flat Bastard Johnson	6	16.84	1.41
76-23800	14"	Flat Bastard Johnson	6	23.27	1.94
76-39300	4"	Round Bastard Johnson	12	6.31	.53
76-39600	6"	Round Bastard Johnson	12	6.31	.53
76-39850	8"	Round Bastard Johnson	12	7.57	.64
76-40050	10"	Round Bastard Johnson	12	9.82	.82
76-40250	12"	Round Bastard Johnson	6	12.90	1.08
76-40450	14"	Round Bastard Johnson	6	18.79	1.57
76-42500	4"	Square Bastard Johnson	12	7.91	.65
76-42800	6"	Square Bastard Johnson	12	8.27	.69
76-43000	8"	Square Bastard Johnson	12	9.82	.82
76-43200	10"	Square Bastard Johnson	12	13.04	1.09
76-43400	12"	Square Bastard Johnson	6	18.09	1.51
76-43600	14"	Square Bastard Johnson	6	24.55	2.05
76-51650	6"	Three Square Bastard Johnson	12	10.79	.90
76-51800	8"	Three Square Bastard Johnson	12	12.90	1.08
76-51950	10"	Three Square Bastard Johnson	12	16.13	1.35
76-50000	6"	Knife Bastard Johnson	12	12.34	1.03
76-50150	8"	Knife Bastard Johnson	12	14.86	1.24
76-53650	5"	Slim Taper Johnson	12	4.06	.34

Johnson Brand Files (Cont.)

76-53700	6"	Slim Taper Johnson	12	\$ 4.91	\$.41
76-53800	8"	Slim Taper Johnson	12	7.14	.60
76-53850	10"	Slim Taper Johnson	12	9.82	.82
76-54850	5"	Extra Slim Taper Johnson	12	4.06	.34
76-54950	6"	Extra Slim Taper Johnson	12	4.91	.41
76-55000	7"	Extra Slim Taper Johnson	12	5.88	.49
76-55050	8"	Extra Slim Taper Johnson	12	7.14	.60
76-56100	5"	Double Extra Slim Taper Johnson	12	4.34	.37
76-56200	6"	Double Extra Slim Taper Johnson	12	4.91	.41
76-56250	7"	Double Extra Slim Taper Johnson	12	5.88	.49
76-56300	8"	Double Extra Slim Taper Johnson	12	7.14	.60

*AMERICAN PATTERN FILES BLACK KING BRAND

77-14050	4"	Mill Bastard Black King	12	\$ 5.04	\$.42
77-14300	6"	Mill Bastard Black King	12	5.04	.42
77-14550	8"	Mill Bastard Black King	12	6.03	.51
77-14750	10"	Mill Bastard Black King	12	7.99	.67
77-14950	12"	Mill Bastard Black King	6	12.62	1.06
77-15150	14"	Mill Bastard Black King	6	17.66	1.48
77-31700	6"	Half Round Bastard Black King	12	10.79	.90
77-31900	8"	Half Round Bastard Black King	12	13.04	1.09
77-32100	10"	Half Round Bastard Black King	6	16.13	1.35
77-32300	12"	Half Round Bastard Black King	6	20.47	1.71
77-32500	14"	Half Round Bastard Black King	6	27.21	2.27
77-22700	4"	Flat Bastard Black King	12	7.14	.60
77-22950	6"	Flat Bastard Black King	12	7.84	.66
77-23200	8"	Flat Bastard Black King	12	9.68	.81
77-23400	10"	Flat Bastard Black King	6	12.34	1.03
77-23600	12"	Flat Bastard Black King	6	16.84	1.41
77-23800	14"	Flat Bastard Black King	6	23.27	1.94
77-39300	4"	Round Bastard Black King	12	6.31	.53
77-39600	6"	Round Bastard Black King	12	6.31	.53
77-39850	8"	Round Bastard Black King	12	7.57	.64
77-40050	10"	Round Bastard Black King	12	9.82	.82
77-40250	12"	Round Bastard Black King	6	12.90	1.08
77-40050	14"	Round Bastard Black King	6	18.79	1.57
77-53650	5"	Slim Taper Black King	12	4.06	.34
77-53700	6"	Slim Taper Black King	12	4.91	.41
77-53800	8"	Slim Taper Black King	12	7.14	.60
77-53850	10"	Slim Taper Black King	12	9.82	.82
77-54850	5"	Extra Slim Taper Black King	12	4.06	.34
77-54950	6"	Extra Slim Taper Black King	12	4.91	.41
77-55000	7"	Extra Slim Taper Black King	12	5.88	.49
77-55050	8"	Extra Slim Taper Black King	12	7.14	.60
77-56100	5"	Double Extra Slim Taper Black King	12	4.34	.37
77-56200	6"	Double Extra Slim Taper Black King	12	4.91	.41
77-56250	7"	Double Extra Slim Taper Black King	12	5.88	.49
77-56300	8"	Double Extra Slim Taper Black King	12	7.14	.60

* Not illustrated in catalog.

Less than standard package quantities will be invoiced at \$1.00 each and shown on invoice as separate item.

HELLER AUTOMOTIVE FILES, HACK SAWS, TOOLS

JOBBER/DISTRIBUTOR NET PRICES

Code	Cat. Page	Description	Pkg.	Per Doz.	Each
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↑ FILE HANDLES, ORDER BY NUMBER

70-99200	5	104 4" for files 3" to 6"	36	\$ 2.96	.25
70-99205	5	106 4 1/4" for files 4" to 8"	36	3.45	.29
70-99210	5	108 5" for files 6" to 10"	36	3.90	.33
70-99215	5	110 5 1/2" for files 8" to 12"	36	4.52	.38
70-99220	5	112 6" for files 12" to 18"	36	5.92	.50

↑ FILE CARDS

70-99350	5	Combination File Card and Brush	6	\$21.35	\$ 1.78
70-99300	5	Plain File Cards	12	9.04	.76

HAND HACK SAW BLADES

30-01018	5	10 x 1/2 x .025 x 18 Standard Hard Edge	100	\$.0927	
30-01024	5	10 x 1/2 x .025 x 24 Standard Hard Edge	100	.0927	
↑30-01032	5	10 x 1/2 x .025 x 32 Standard Hard Edge	100	.0927	
↑30-01214	5	12 x 1/2 x .025 x 14 Standard Hard Edge	100	.1029	
↑30-01218	5	12 x 1/2 x .025 x 18 Standard Hard Edge	100	.1029	
30-01224	5	12 x 1/2 x .025 x 24 Standard Hard Edge	100	.1029	
30-01232	5	12 x 1/2 x .025 x 32 Standard Hard Edge	100	.1029	
31-21018	5	10 x 1/2 x .025 x 18 M Hax Start-A-Kut Hard Edge	100	.3512	
↑31-21024	5	10 x 1/2 x .025 x 24 M Hax Start-A-Kut Hard Edge	100	.3512	
↑31-21032	5	10 x 1/2 x .025 x 32 M Hax Start-A-Kut Hard Edge	100	.3512	
↑31-21214	5	12 x 1/2 x .025 x 14 M Hax Start-A-Kut Hard Edge	100	.3908	
31-21218	5	12 x 1/2 x .025 x 18 M Hax Start-A-Kut Hard Edge	100	.3908	
31-21224	5	12 x 1/2 x .025 x 24 M Hax Start-A-Kut Hard Edge	100	.3908	
31-21232	5	12 x 1/2 x .025 x 32 M Hax Start-A-Kut Hard Edge	100	.3908	
31-01018	5	10 x 1/2 x .025 x 18 M Hax Hard Edge	100	.3512	
31-01024	5	10 x 1/2 x .025 x 24 M Hax Hard Edge	100	.3512	
↑31-01032	5	10 x 1/2 x .025 x 32 M Hax Hard Edge	100	.3512	
↑31-01214	5	12 x 1/2 x .025 x 14 M Hax Hard Edge	100	.3908	
↑31-01218	5	12 x 1/2 x .025 x 18 M Hax Hard Edge	100	.3908	
31-01224	5	12 x 1/2 x .025 x 24 M Hax Hard Edge	100	.3908	
31-01232	5	12 x 1/2 x .025 x 32 M Hax Hard Edge	100	.3908	
31-11018	5	10 x 1/2 x .025 x 18 M Hax All Hard	100	.3512	
31-11024	5	10 x 1/2 x .025 x 24 M Hax All Hard	100	.3512	
↑31-11032	5	10 x 1/2 x .025 x 32 M Hax All Hard	100	.3512	
↑31-11214	5	12 x 1/2 x .025 x 14 M Hax All Hard	100	.3908	
↑31-11218	5	12 x 1/2 x .025 x 18 M Hax All Hard	100	.3908	
31-11224	5	12 x 1/2 x .025 x 24 M Hax All Hard	100	.3908	
31-11232	5	12 x 1/2 x .025 x 32 M Hax All Hard	100	.3908	
32-01018	5	10 x 1/2 x .025 x 18 T Hax Hard Edge	100	.4143	
32-01024	5	10 x 1/2 x .025 x 24 T Hax Hard Edge	100	.4143	
↑32-01032	5	10 x 1/2 x .025 x 32 T Hax Hard Edge	100	.4143	
↑32-01214	5	12 x 1/2 x .025 x 14 T Hax Hard Edge	100	.4568	
↑32-01218	5	12 x 1/2 x .025 x 18 T Hax Hard Edge	100	.4568	
32-01224	5	12 x 1/2 x .025 x 24 T Hax Hard Edge	100	.4568	
32-01232	5	12 x 1/2 x .025 x 32 T Hax Hard Edge	100	.4568	

Hand Hack Saw Blades (Cont.)

↑32-11018	5	10 x 1/2 x .025 x 18 T Hax All Hard	100	.4143	
↑32-11024	5	10 x 1/2 x .025 x 24 T Hax All Hard	100	.4143	
↑32-11032	5	10 x 1/2 x .025 x 32 T Hax All Hard	100	.4143	
32-11214	5	12 x 1/2 x .025 x 14 T Hax All Hard	100	.4568	
32-11218	5	12 x 1/2 x .025 x 18 T Hax All Hard	100	.4568	
32-11224	5	12 x 1/2 x .025 x 24 T Hax All Hard	100	.4568	
32-11232	5	12 x 1/2 x .025 x 32 T Hax All Hard	100	.4568	

SUPER DUTY HAMMERS UPHOLSTERERS' HAMMERS

86-12550	6	404B 7 oz. Magnetic Polished	6	\$38.76	\$ 3.23
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BALL PEIN HAMMERS

86-30000	6	797 Polished Super Duty 2 oz.	6	\$28.86	\$ 2.41
86-30250	6	798 Polished Super Duty 4 oz.	6	29.64	2.47
86-30650	6	800 Polished Super Duty 8 oz.	6	31.20	2.60
86-31200	6	801 Polished Super Duty 12 oz.	6	31.98	2.67
86-31650	6	802 Polished Super Duty 1 lb.	6	34.32	2.86
86-32150	6	803 Polished Super Duty 1 1/4 lb.	6	35.88	2.99
86-32500	6	804 Polished Super Duty 1 1/2 lb.	6	37.44	3.12
86-33200	6	806 Polished Super Duty 2 lb.	6	39.78	3.32
86-33800	6	808 Polished Super Duty 2 1/2 lb.	6	45.24	3.77
86-34350	6	810 Polished Super Duty 3 lb.	6	46.80	3.90
86-30350	6	798B Black Super Duty 4 oz.	6	25.74	2.15
86-30800	6	800B Black Super Duty 8 oz.	6	26.52	2.21
86-31350	6	801B Black Super Duty 12 oz.	6	27.30	2.28
86-31800	6	802B Black Super Duty 1 lb.	6	29.64	2.47
86-32300	6	803B Black Super Duty 1 1/4 lb.	6	32.30	2.70
86-32750	6	804B Black Super Duty 1 1/2 lb.	6	33.54	2.80
86-33400	6	806B Black Super Duty 2 lb.	6	35.42	2.96
86-33950	6	808B Black Super Duty 2 1/2 lb.	6	40.10	3.35
86-34500	6	801B Black Super Duty 3 lb.	6	44.46	3.71
86-30950	6	800C Excelsior 8 oz.	6	19.50	6.63
86-31450	6	801C Excelsior 12 oz.	6	20.28	1.69
86-31950	6	802C Excelsior 1 lb.	6	22.94	1.92
86-32350	6	803C Excelsior 1 1/4 lb.	6	24.50	2.05
86-32950	6	804C Excelsior 1 1/2 lbs.	6	25.74	2.15
86-33600	6	806C Excelsior 2 lb.	6	26.84	2.24

HAND OR TIRE HAMMERS

86-11350	6	301 Polished Super Duty 2 lb.	4	\$49.45	\$ 4.13
86-11550	6	302 Polished Super Duty 2 1/2 lb.	6	52.26	4.36
86-11750	6	303 Polished Super Duty 3 lb.	4	55.38	4.62
86-11400	6	301B Black Super Duty 2 lb.	4	41.34	3.45
86-11600	6	302B Black Super Duty 2 1/2 lb.	4	44.00	3.67
86-11800	6	303B Black Super Duty 3 lb.	4	45.24	3.77

BODY BUMPING FILES

85-02088	6	2088 Flat Coarse Cut	6	\$25.32	\$ 2.11
85-02089	6	2089 Flat Medium Cut	6	25.32	2.11
85-02090	6	2090 Half Round Medium Cut	6	30.48	2.54
85-02612	6	2612 Set — 1 Each of Above 3 Kinds	1	81.12	6.76

Less than standard package quantities will be invoiced at \$1.00 each and shown on invoice as separate item.
(Does not apply to hand hack saw blades)

HELLER SKIN PACKAGED AUTOMOTIVE DISPLAY

↑ FILES — HACK SAW BLADES

JOBBER/DISTRIBUTOR PRICES

Cat. Page	Quantity Per Display	Item Number	DESCRIPTION	Net Each	Replacement Package	Price Per Dozen	Suggested Mechanic - User Net Each
7	3	SHM-8	8" Mill Bastard Single Cut Nucut.....	\$.67	12	\$ 8.04	\$1.01
7	3	SHM-10	10" Mill Bastard Single Cut Nucut.....	.85	12	10.20	1.28
7	3	SHM-12	12" Mill Bastard Single Cut Nucut.....	1.27	6	15.24	1.91
7	3	SHHR-8	8" Half Round Bastard Wavy Nucut..	1.31	12	15.72	1.97
7	3	SHHR-10	10" Half Round Bastard Wavy Nucut..	1.61	12	19.32	2.42
7	3	SHR-8	8" Round Bastard Nucut .....	.80	12	9.60	1.20
7	3	SHR-10	10" Round Bastard Nucut	1.01	12	12.12	1.52
7	3	SHCS-218	8 x 7/32" Round Chain Saw Nucut.....	.71	12	8.52	1.07
7	3	SHCS-250	8 x 1/4" Round Chain Saw Nucut .....	.71	12	8.52	1.07
7	3	SHRM-7	7" Rotary Mower File Nucut .....	.91	12	10.92	1.37
7	2	SHVF-7	14" Flexible Vixen 7T.....	3.56	6	42.72	5.34
7	2	SHVF-8	14" Flexible Vixen 8T.....	3.56	6	42.72	5.34
7	2	SHVS-14	14" Half Round Shell Vixen.....	4.12	6	49.44	6.18
7	10	SHS-12	Each Card contains 2 - 12" Standard Steel Blades (one 18 Tooth, one 24 Tooth).....	2.15	10	2.15	.43
7	10	SHHS-1224	Each Card contains 1 - 12" x 24 Tooth Start-A-Kut M Hax High Speed Steel Blade .....	.40	10	4.00	.80
7	1	HA-56	Skin Packaged Automotive Display - Net Each \$58.18	SUGGESTED RESALE EACH		\$90.48	

PLEASE ORDER BY ITEM NUMBER

Replacement Stock Sold Only in Standard Package Quantity

HELLER AUTOMOTIVE FILES, HACK SAWS, TOOLS

SUGGESTED MECHANIC/USER NET PRICE



Code	Cat. Page	Description	Pkg.	Each
VIXEN BLADE TYPE FILES				
81-11000	2	8" Flexible (Blades) Standard	12	\$ 3.54
81-11150	2	10" Flexible (Blades) Standard	6	4.43
81-11250	2	12" Flexible (Blades) Standard	6	5.30
81-11450	2	14" Flexible (Blades) Standard 8 Teeth	6	5.60
81-11390	2	14" Flexible (Blades) 6 Teeth	6	5.60
81-11400	2	14" Flexible (Blades) 7 Teeth	6	5.60
81-11500	2	14" Flexible (Blades) 9 Teeth	6	5.60
81-12200	2	14" Half Round Shell (Blades) Standard 8 Teeth	6	6.47
81-12255	2	14" Half Round Shell (Blades) 6 Teeth	6	6.47
81-16700	2	14" Half Oval Shell (Blades) Standard 8 Teeth	6	6.47

VIXEN FILE HOLDERS

81-99370	2	472 Adjustable Flexible File Holder	1	7.44
81-99350	2	416 12 or 14" Flexible File Holder	1	2.87
81-99300	2	V-1 12 or 14" Flexible File Holder	12	3.35
81-99305	2	V-2 14" Shell File Holder	12	3.10

VIXEN RIGID TANGED FILES

81-12550	2	8" Flat (with Tang) Standard	12	3.36
81-12700	2	10" Flat (with Tang) Standard	6	4.11
81-12850	2	12" Flat (with Tang) Standard	6	4.95
81-13000	2	14" Flat (with Tang) Standard	6	5.79
81-13450	2	8" Flat Utility (with Tang) Combination	12	3.86
81-13500	2	10" Flat Utility (with Tang) Combination	6	4.62
81-13550	2	12" Flat Utility (with Tang) Combination	6	5.42
81-13600	2	14" Flat Utility (with Tang) Combination	6	6.30
81-14650	2	8" Half Round (with Tang) Standard	12	4.04
81-14750	2	10" Half Round (with Tang) Standard	6	4.65
81-14850	2	12" Half Round (with Tang) Standard	6	5.54
81-14950	2	14" Half Round (with Tang) Standard	6	6.47
	2	8" Resharpening (All Shapes) All Cuts		.90
	2	10" Resharpening (All Shapes) All Cuts		1.00
	2	12" Resharpening (All Shapes) All Cuts		1.14
	2	14" Resharpening (All Shapes) All Cuts		1.20

VIXEN REVEAL TOOLS - FILES - HOLDERS

81-00152	3	152 Reveal Tool	1	4.29
81-00153	3	153 Reveal — Shell Vixen	6	2.75
81-00154	3	154 Reveal — Square Corner Vixen	6	2.75
81-00155	3	155 Reveal — Round Corner Vixen	6	2.75
81-00156	3	156 Reveal — Shell Bent Vixen	6	2.75
81-00157	3	157 Reveal — Molding Vixen	6	2.75
81-00158	3	158 Reveal Set (Tool and No. 155 File)	1	7.02
81-00159	3	159 Reveal Set (Tool and 5 Assorted Files)	1	17.99
81-00332	3	332 7" x 5/8" Reveal File — Flat	12	5.12
81-99325	3	V-7 Holder for No. 332 File	12	2.07
81-01386	3	1386 7" x 5/8" Reveal File — Shell	12	5.12
81-99335	3	V-9 Holder for No. 1386 File	12	2.07
81-01389	3	1389 7" x 5/8" Reveal File Molding	12	5.12
81-99330	3	V-8 Holder for No. 1389 File	12	2.07
81-00996	3	996 12" Reveal File — Curved Shell	6	6.47
81-99340	3	V-10 Holder for No. 996 File	12	3.35

IGNITION FILES

TUNGSTEN POINT FILES

70-10250	3	5" Pocket Clip	12	.54
70-10350	3	5" Pocket Clip, Carded 1 doz. per card	144	.57
70-10100	3	5" Regular	12	.36
70-10200	3	5" Regular, Carded 1 doz. per card	144	.41

Code	Cat. Page	Description	Pkg.	Each
VOLTAGE REGULATOR FILES				
70-02470	3	5" No. 2470 Voltage Regulator Files Carded	144	\$ 2.13
70-01997	3	6" No. 1997 Voltage Regulator Riffles — in Tubes	12	3.18

AMERICAN PATTERN FILES - NUCUT BRAND — HIGHEST QUALITY

70-14050	4	4" Mill Bastard Nucut	12	.75
70-14300	4	6" Mill Bastard Nucut	12	.75
70-14550	4	8" Mill Bastard Nucut	12	.89
70-14750	4	10" Mill Bastard Nucut	12	1.17
70-14950	4	12" Mill Bastard Nucut	6	1.86
70-15150	4	14" Mill Bastard Nucut	6	2.60
70-16050	4	8" Mill Bastard 2 Round Edges Nucut	12	1.43
70-16100	4	10" Mill Bastard 2 Round Edges Nucut	12	1.80
71-31700	4	6" Half Round Bastard Nucut	12	1.58
71-31900	4	8" Half Round Bastard Nucut	12	1.92
71-32100	4	10" Half Round Bastard Nucut	6	2.37
71-32300	4	12" Half Round Bastard Nucut	6	3.00
71-32500	4	14" Half Round Bastard Nucut	6	3.98
71-22700	4	4" Flat Bastard Nucut	12	1.05
71-22950	4	6" Flat Bastard Nucut	12	1.16
71-23200	4	8" Flat Bastard Nucut	12	1.43
71-23400	4	10" Flat Bastard Nucut	6	1.82
71-23600	4	12" Flat Bastard Nucut	6	2.46
71-23800	4	14" Flat Bastard Nucut	6	3.42
70-39300	4	4" Round Bastard Nucut	12	.89
70-39600	4	6" Round Bastard Nucut	12	.89
70-39850	4	8" Round Bastard Nucut	12	1.07
70-40050	4	10" Round Bastard Nucut	12	1.37
70-40250	4	12" Round Bastard Nucut	6	1.89
70-40450	4	14" Round Bastard Nucut	6	2.75
71-42500	4	4" Square Bastard Nucut	12	1.14
71-42800	4	6" Square Bastard Nucut	12	1.22
71-43000	4	8" Square Bastard Nucut	12	1.46
71-43200	4	10" Square Bastard Nucut	12	1.92
71-43400	4	12" Square Bastard Nucut	6	2.66
71-43600	4	14" Square Bastard Nucut	6	3.59
71-51650	4	6" Three Square Bastard Nucut	12	1.59
71-51800	4	8" Three Square Bastard Nucut	12	1.89
71-51950	4	10" Three Square Bastard Nucut	12	2.37
71-50000	4	6" Knife Bastard Nucut	12	1.55
71-50150	4	8" Knife Bastard Nucut	12	2.19
70-04116	4	7" Rotary Mower and Garden Tool Nucut	12	1.23
70-24300	4	8" Multikut Flat Nucut	12	1.50
70-24350	4	10" Multikut Flat Nucut	6	2.00
70-24400	4	12" Multikut Flat Nucut	6	2.73
70-24450	4	14" Multikut Flat Nucut	6	3.68
70-32800	4	8" Multikut Half Round Nucut	12	2.15
70-32850	4	10" Multikut Half Round Nucut	6	2.58
70-32900	4	12" Multikut Half Round Nucut	6	3.33
70-32950	4	14" Multikut Half Round Nucut	6	4.34
70-43950	4	8" Multikut Square Nucut	12	2.21
70-44000	4	10" Multikut Square Nucut	12	2.48
70-44050	4	12" Multikut Square Nucut	6	3.39
70-44100	4	14" Multikut Square Nucut	6	4.44
70-73030	4	8" Chain Saw Round 3/16" diam. Nucut	12	.98
70-73060	4	8" Chain Saw Round 1/32" diam. Nucut	12	.98

Issued June 14, 1971

Canceling March 16, 1970

Change

Prices subject to change without notice

HELLER AUTOMOTIVE FILES, HACK SAWS, TOOLS SUGGESTED MECHANIC/USER NET PRICE ↑

Code	Cat. Page	Description	Pkg.	Each
American Pattern Files (Cont.)				
70-73090	4	8" Chain Saw Round 1/4" diam. Nucut	12	\$.98
70-73120	4	8" Chain Saw Round 3/2" diam. Nucut	12	1.02
70-73150	4	8" Chain Saw Round 3/6" diam. Nucut	12	1.07
70-73180	4	8" Chain Saw Round 3/8" diam. Nucut	12	1.11
70-03084	4	8" Chain Saw Narrow Mill No. 3084 Nucut	12	1.41
70-04680	4	7" Chain Saw Beveled Edge No. 4680 Nucut	12	2.27
70-53650	4	5" Slim Taper Nucut	12	.62
70-53700	4	6" Slim Taper Nucut	12	.72
70-53800	4	8" Slim Taper Nucut	12	1.05
70-53850	4	10" Slim Taper Nucut	12	1.44
70-54850	4	5" Extra Slim Taper Nucut	12	.62
70-54950	4	6" Extra Slim Taper Nucut	12	.72
70-55000	4	7" Extra Slim Taper Nucut	12	.89
70-55050	4	8" Extra Slim Taper Nucut	12	1.07
70-56100	4	5" Double Extra Slim Taper Nucut	12	.65
70-56200	4	6" Double Extra Slim Taper Nucut	12	.72
70-56250	4	7" Double Extra Slim Taper Nucut	12	.89
70-56300	4	8" Double Extra Slim Taper Nucut	12	1.07

*AMERICAN PATTERN FILES JOHNSON BRAND

76-14050	4"	Mill Bastard Johnson	12	.68
76-14300	6"	Mill Bastard Johnson	12	.68
76-14550	8"	Mill Bastard Johnson	12	.80
76-14750	10"	Mill Bastard Johnson	12	1.05
76-14950	12"	Mill Bastard Johnson	6	1.67
76-15150	14"	Mill Bastard Johnson	6	2.34
76-16050	8"	Mill Bastard 2 Rd. Edges Johnson	12	1.29
76-16100	10"	Mill Bastard 2 Rd. Edges Johnson	12	1.62
76-31700	6"	Half Round Bastard Johnson	12	1.43
76-31900	8"	Half Round Bastard Johnson	12	1.73
76-32100	10"	Half Round Bastard Johnson	6	2.13
76-32300	12"	Half Round Bastard Johnson	6	2.70
76-32500	14"	Half Round Bastard Johnson	6	3.59
76-22700	4"	Flat Bastard Johnson	12	.95
76-22950	6"	Flat Bastard Johnson	12	1.04
76-23200	8"	Flat Bastard Johnson	12	1.29
76-23400	10"	Flat Bastard Johnson	6	1.64
76-23600	12"	Flat Bastard Johnson	6	2.22
76-23800	14"	Flat Bastard Johnson	6	3.08
76-39300	4"	Round Bastard Johnson	12	.80
76-39600	6"	Round Bastard Johnson	12	.80
76-39850	8"	Round Bastard Johnson	12	.96
76-40050	10"	Round Bastard Johnson	12	1.23
76-40250	12"	Round Bastard Johnson	6	1.71
76-40450	14"	Round Bastard Johnson	6	2.48
76-42500	4"	Square Bastard Johnson	12	1.02
76-42800	6"	Square Bastard Johnson	12	1.10
76-43000	8"	Square Bastard Johnson	12	1.31
76-43200	10"	Square Bastard Johnson	12	1.73
76-43400	12"	Square Bastard Johnson	6	2.39
76-43600	14"	Square Bastard Johnson	6	3.23
76-51650	6"	Three Square Bastard Johnson	12	1.43
76-51800	8"	Three Square Bastard Johnson	12	1.71

Code	Cat. Page	Description	Pkg.	Each
Johnson Brand Files (Cont.)				
76-51950		10" Three Square Bastard Johnson	12	\$ 2.13
76-50000		6" Knife Bastard Johnson	12	1.64
76-50150		8" Knife Bastard Johnson	12	1.97
76-53650		5" Slim Taper Johnson	12	.56
76-53700		6" Slim Taper Johnson	12	.66
76-53800		8" Slim Taper Johnson	12	.96
76-53850		10" Slim Taper Johnson	12	1.31
76-54850		5" Extra Slim Taper Johnson	12	.56
76-54950		6" Extra Slim Taper Johnson	12	.66
76-55000		7" Extra Slim Taper Johnson	12	.80
76-55050		8" Extra Slim Taper Johnson	12	.96
76-56100		5" Double Extra Slim Taper Johnson	12	.59
76-56200		6" Double Extra Slim Taper Johnson	12	.66
76-56250		7" Double Extra Slim Taper Johnson	12	.80
76-56300		8" Double Extra Slim Taper Johnson	12	.96

FILE HANDLES

70-99200	5	104 4" for files 3" to 6"	36	\$.39
70-99205	5	106 4 1/4" for files 4" to 8"	36	.48
70-99210	5	108 5" for files 6" to 10"	36	.53
70-99215	5	110 5 1/2" for files 8" to 12"	36	.62
70-99220	5	112 6" for files 12" to 18"	36	.78

FILE CARDS

70-99350	5	Combination File Card and Brush	6	2.81
70-99300	5	Plain File Cards	12	1.20

HELLER AUTOMOTIVE FILES, HACK SAWS, TOOLS

SUGGESTED MECHANIC/USER NET PRICE

Code	Cat. Page	Description	Pkg.	Each
HAND HACK SAW BLADES				
30-01018	5	10 x 1/2 x .025 x 18 Standard Hard Edge	100	.19
30-01024	5	10 x 1/2 x .025 x 24 Standard Hard Edge	100	.19
30-01032	5	10 x 1/2 x .025 x 32 Standard Hard Edge	100	.19
30-01214	5	12 x 1/2 x .025 x 14 Standard Hard Edge	100	.21
30-01218	5	12 x 1/2 x .025 x 18 Standard Hard Edge	100	.21
30-01224	5	12 x 1/2 x .025 x 24 Standard Hard Edge	100	.21
30-01232	5	12 x 1/2 x .025 x 32 Standard Hard Edge	100	.21
31-21018	5	10 x 1/2 x .025 x 18 M Hax Start-A-Kut Hard Edge	100	.70
31-21024	5	10 x 1/2 x .025 x 24 M Hax Start-A-Kut Hard Edge	100	.70
31-21032	5	10 x 1/2 x .025 x 32 M Hax Start-A-Kut Hard Edge	100	.70
31-21214	5	12 x 1/2 x .025 x 14 M Hax Start-A-Kut Hard Edge	100	.78
31-21218	5	12 x 1/2 x .025 x 18 M Hax Start-A-Kut Hard Edge	100	.78
31-21224	5	12 x 1/2 x .025 x 24 M Hax Start-A-Kut Hard Edge	100	.78
31-21232	5	12 x 1/2 x .025 x 32 M Hax Start-A-Kut Hard Edge	100	.78
31-01018	5	10 x 1/2 x .025 x 18 M Hax Hard Edge	100	.70
31-01024	5	10 x 1/2 x .025 x 24 M Hax Hard Edge	100	.70
31-01032	5	10 x 1/2 x .025 x 32 M Hax Hard Edge	100	.70
31-01214	5	12 x 1/2 x .025 x 14 M Hax Hard Edge	100	.78
31-01218	5	12 x 1/2 x .025 x 18 M Hax Hard Edge	100	.78
31-01224	5	12 x 1/2 x .025 x 24 M Hax Hard Edge	100	.78
31-01232	5	12 x 1/2 x .025 x 32 M Hax Hard Edge	100	.78
31-11018	5	10 x 1/2 x .025 x 18 M Hax All Hard	100	.70
31-11024	5	10 x 1/2 x .025 x 24 M Hax All Hard	100	.70
31-11032	5	10 x 1/2 x .025 x 32 M Hax All Hard	100	.70
31-11214	5	12 x 1/2 x .025 x 14 M Hax All Hard	100	.78
31-11218	5	12 x 1/2 x .025 x 18 M Hax All Hard	100	.78
31-11224	5	12 x 1/2 x .025 x 24 M Hax All Hard	100	.78
31-11232	5	12 x 1/2 x .025 x 32 M Hax All Hard	100	.78
32-01018	5	10 x 1/2 x .025 x 18 T Hax Hard Edge	100	.85
32-01024	5	10 x 1/2 x .025 x 24 T Hax Hard Edge	100	.85
32-01032	5	10 x 1/2 x .025 x 32 T Hax Hard Edge	100	.85
32-01214	5	12 x 1/2 x .025 x 14 T Hax Hard Edge	100	.94
32-01218	5	12 x 1/2 x .025 x 18 T Hax Hard Edge	100	.94
32-01224	5	12 x 1/2 x .025 x 24 T Hax Hard Edge	100	.94
32-01232	5	12 x 1/2 x .025 x 32 T Hax Hard Edge	100	.94
32-11018	5	10 x 1/2 x .025 x 18 T Hax All Hard	100	.85
32-11024	5	10 x 1/2 x .025 x 24 T Hax All Hard	100	.85
32-11032	5	10 x 1/2 x .025 x 32 T Hax All Hard	100	.85
32-11214	5	12 x 1/2 x .025 x 14 T Hax All Hard	100	.94
32-11218	5	12 x 1/2 x .025 x 18 T Hax All Hard	100	.94
32-11224	5	12 x 1/2 x .025 x 24 T Hax All Hard	100	.94
32-11232	5	12 x 1/2 x .025 x 32 T Hax All Hard	100	.94

Code	Cat. Page	Description	Pkg.	Each
SUPER DUTY HAMMERS				
UPHOLSTERERS HAMMERS ↑				
86-12550	6	404B 7 oz. Magnetic Polished	6	\$ 5.46

BALL PEIN HAMMERS ↑				
86-30000	6	797 Polished Super Duty 2 oz.	6	4.29
86-30250	6	798 Polished Super Duty 4 oz.	6	4.29
86-30650	6	800 Polished Super Duty 8 oz.	6	4.38
86-31200	6	801 Polished Super Duty 12 oz.	6	4.49
86-31650	6	802 Polished Super Duty 1 lb.	6	4.77
86-32150	6	803 Polished Super Duty 1 1/4 lb.	6	5.16
86-32500	6	804 Polished Super Duty 1 1/2 lb.	6	5.36
86-33200	6	806 Polished Super Duty 2 lb.	6	5.75
86-33800	6	808 Polished Super Duty 2 1/2 lb.	6	6.33
86-34350	6	810 Polished Super Duty 3 lb.	6	7.01
86-30350	6	798B Black Super Duty 4 oz.	6	3.60
86-30800	6	800B Black Super Duty 8 oz.	6	3.71
86-31350	6	801B Black Super Duty 12 oz.	6	3.80
86-31800	6	802B Black Super Duty 1 lb.	6	4.10
86-32300	6	803B Black Super Duty 1 1/4 lb.	6	4.49
86-32750	6	804B Black Super Duty 1 1/2 lb.	6	4.68
86-33400	6	806B Black Super Duty 2 lb.	6	5.07
86-33950	6	808B Black Super Duty 2 1/2 lb.	6	5.66
86-34500	6	810B Black Super Duty 3 lb.	6	6.33
86-30950	6	800C Excelsior 8 oz.	6	2.73
86-31450	6	801C Excelsior 12 oz.	6	2.82
86-31950	6	802C Excelsior 1 lb.	6	3.26
86-32350	6	803C Excelsior 1 1/4 lb.	6	3.45
86-32950	6	804C Excelsior 1 1/2 lb.	6	3.71
86-33600	6	806C Excelsior 2 lb.	6	4.10

HAND OR TIRE HAMMERS ↑				
86-11350	6	301 Polished Super Duty 2 lb.	4	7.02
86-11550	6	302 Polished Super Duty 2 1/2 lb.	4	7.41
86-11750	6	303 Polished Super Duty 3 lb.	4	7.80
86-11400	6	301B Black Super Duty 2 lb.	4	5.94
86-11600	6	302B Black Super Duty 2 1/2 lb.	4	6.48
86-11800	6	303B Black Super Duty 3 lb.	4	6.53

BODY BUMPING FILES ↑				
85-02088	6	2088 Flat Coarse Cut	6	3.33
85-02089	6	2089 Flat Medium Cut	6	3.33
85-02090	6	2090 Half Round Medium Cut	6	4.01
85-02612	6	2612 Set — 1 Each of Above 3 Kinds	1	10.67

HELLER SKIN PACKAGED AUTOMOTIVE

↑ FILES — HACK SAW BLADES MECHANIC/USER NET PRICE ↑

Cat. Page	Item Number	DESCRIPTION	Suggested Mechanic - User Net Each
7	SHM-8	8" Mill Bastard Nucut	\$ 1.07
7	SHM-10	10" Mill Bastard Nucut	1.35
7	SHM-12	12" Mill Bastard Nucut	2.01
7	SHHR-8	8" Half Round Bastard Nucut	2.07
7	SHHR-10	10" Half Round Bastard Nucut	2.54
7	SHR-8	8" Round Bastard Nucut	1.26
7	SHR-10	10" Round Bastard Nucut	1.59
7	SHCS-218	8 x 7/32" Round Chain Saw Nucut	1.07
7	SHCS-250	8 x 1/4" Round Chain Saw Nucut	1.07
7	SHRM-7	7" Rotary Mower File Nucut	1.44
7	SHVF-7	14" Flexible Vixen 7T	5.61
7	SHVF-8	14" Flexible Vixen 8T	5.61
7	SHVS-14	14" Half Round Shell Vixen	6.50
7	SHS-12	Each Card contains 2 - 12" Standard Steel Blades (one 18 Tooth, one 24 Tooth) .....	.43
7	SHHS-1224	Each Card contains 1 - 12" x 24 Tooth Start-A-Kut M Hax High Speed Steel Blade .....	.80

PLEASE ORDER BY ITEM NUMBER.